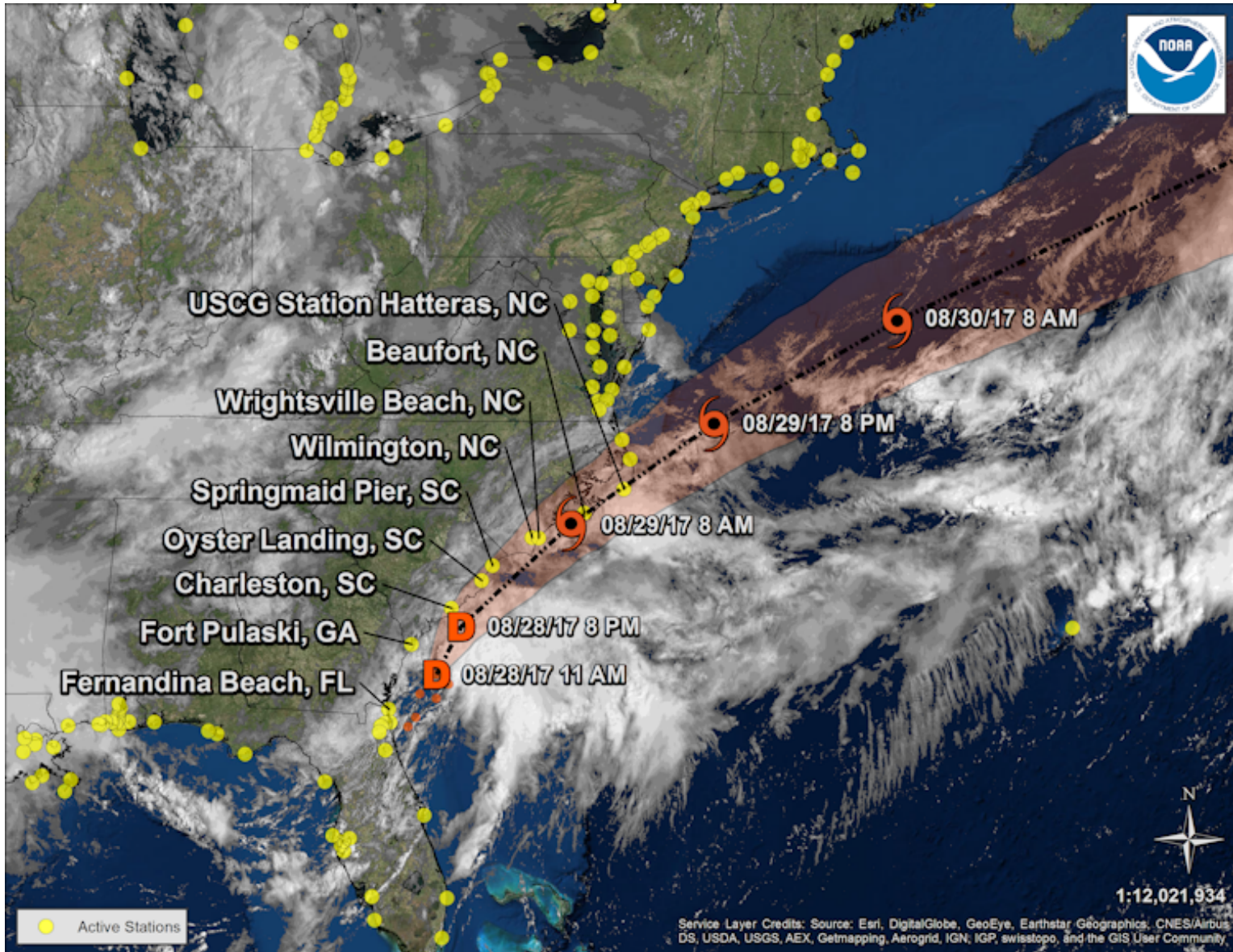




Potential Tropical Cyclone TEN QuickLook
Posted: 12:00 EDT 08/28/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/28/2017 1200 EDT, water levels along the coast from Northeastern Florida to North Carolina are at or near normal and range between 0.6 and 1.3 ft above predicted tide levels. Winds are increasing along the South Carolina coast and range between 10 and 25 knots with slightly higher gusts. Barometric pressure is gradually falling across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Potential Tropical Cyclone Ten Advisory Number 4

NWS National Hurricane Center Miami FL

1100 AM EDT Mon Aug 28 2017

...DISTURBANCE COULD BECOME A TROPICAL CYCLONE LATER TODAY OR
TUESDAY...

SUMMARY OF 1100 AM EDT...1500 UTC...INFORMATION

LOCATION...31.4N 80.3W

ABOUT 100 MI...160 KM SSW OF CHARLESTON SOUTH CAROLINA

ABOUT 240 MI...390 KM SW OF WILMINGTON NORTH CAROLINA

MAXIMUM SUSTAINED WINDS...35 MPH...55 KM/H

PRESENT MOVEMENT...NNE OR 25 DEGREES AT 9 MPH...15 KM/H

MINIMUM CENTRAL PRESSURE...1007 MB...29.74 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued for the North Carolina coast from Surf City to Duck including the Albermale and Pamlico Sounds.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* Surf City to Duck

* Albemarle Sound

* Pamlico Sound

A Tropical Storm Watch is in effect for...

* South of Surf City to South Santee River

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area in this case within the next 24 hours.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area, in this case within the next 24 to 36 hours.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT (1500 UTC), the area of minimum pressure associated with the disturbance was estimated near latitude 31.4 North, longitude 80.3 West. The system is moving toward the north-northeast near 9 mph (15 km/h), and this motion with a gradual increase in forward speed is expected during the next couple of days. On the forecast track the system will move over or near the coast of South Carolina today and move along the North Carolina Outer Banks on Tuesday.

Maximum sustained winds are near 35 mph (55 km/h) with higher gusts. Some strengthening is forecast during the next 48 hours, and the disturbance will likely become a tropical depression or a tropical storm later today or Tuesday. An Air Force plane will check the disturbance later today.

* Formation chance through 48 hours...high...90 percent

* Formation chance through 5 days...high...90 percent

The estimated minimum central pressure is 1007 mb (29.74 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the warning tonight and Tuesday and tropical storm conditions are possible in the watch area later today.

RAINFALL: The low is expected to produce total rain accumulations of 3 to 6 inches along the northeastern South Carolina, North Carolina, and southeast Virginia coasts, with possible isolated maximum amounts of 9 inches. The heavier rains may result in some flooding concerns along coastal areas.

SURF: Swells generated by this disturbance will affect portions of the Georgia, South Carolina, and North Carolina coasts during the next day or two, creating dangerous surf and rip current conditions. Please consult products from your local weather office.

NEXT ADVISORY

Next intermediate advisory at 200 PM EDT.

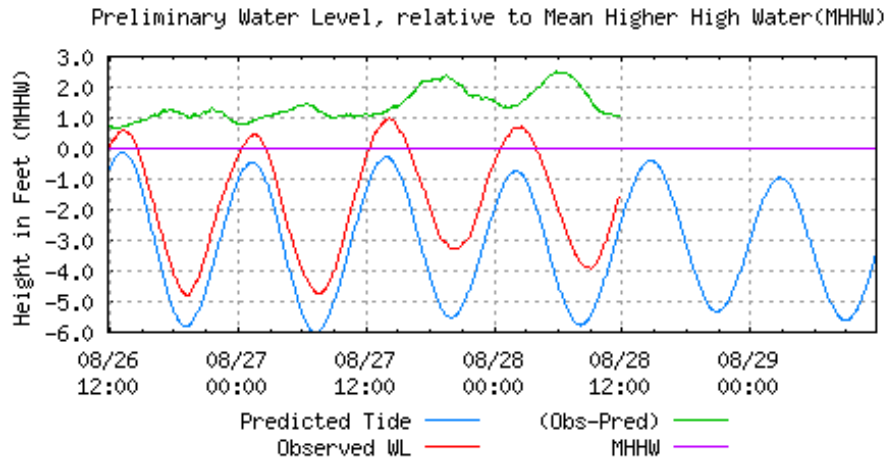
Next complete advisory at 500 PM EDT.

Forecaster Avila

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston, Cooper River Entrance - Water Level](#), [Charleston, Cooper River Entrance - Winds](#), [Charleston, Cooper River Entrance - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#)

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



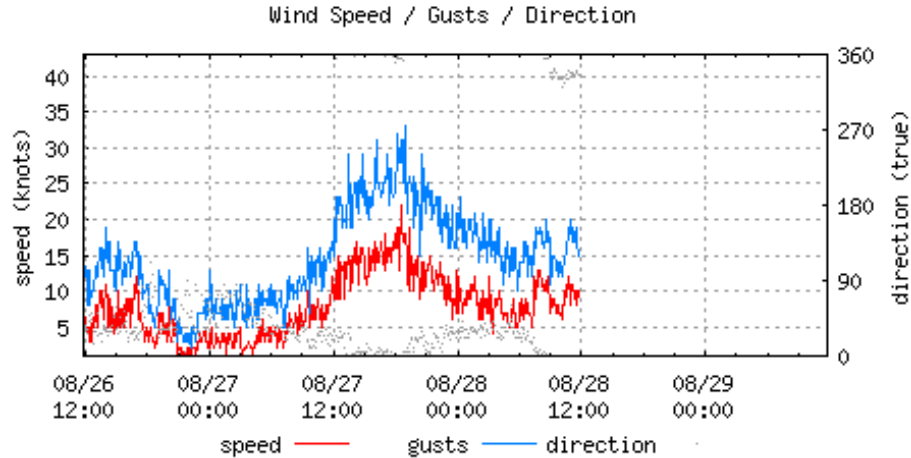
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: -1.61 ft. Predicted: -2.66 ft. Residual: 1.05 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 08/28/2017 14:41 (EDT), -0.41 ft.

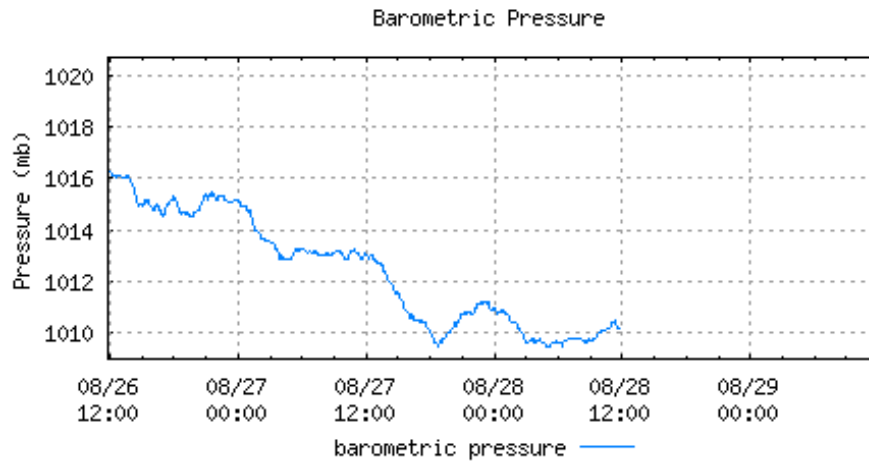
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 08/28/2017 11:42 (EDT)

Wind Speed: 10 knots Gusts: 15 knots Direction: 336° T

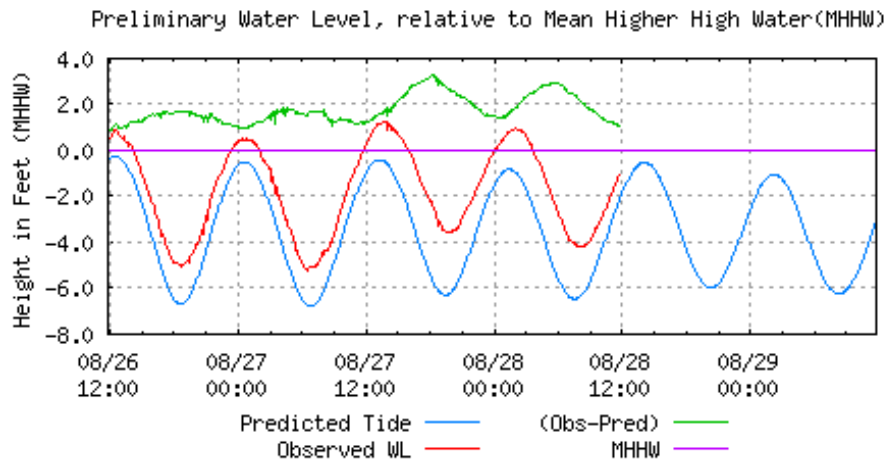
NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1010.2 mb

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



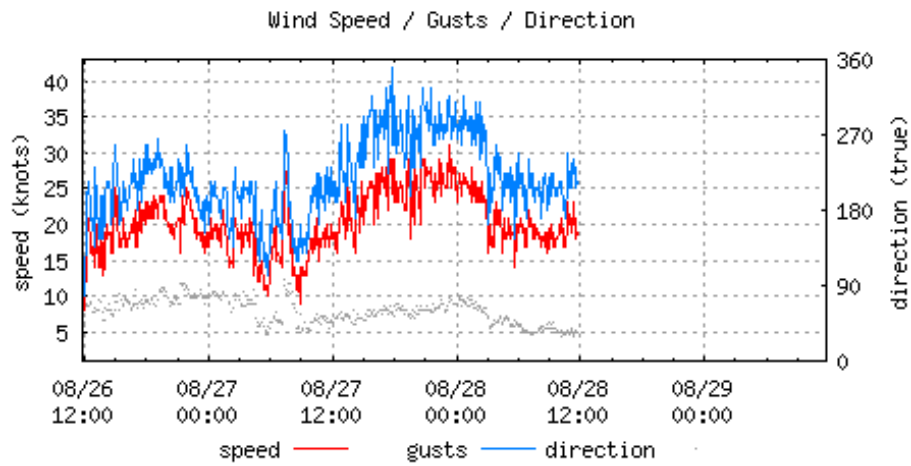
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: -1.10 ft. Predicted: -2.20 ft. Residual: 1.10 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 08/28/2017 14:05 (EDT), -0.53 ft.

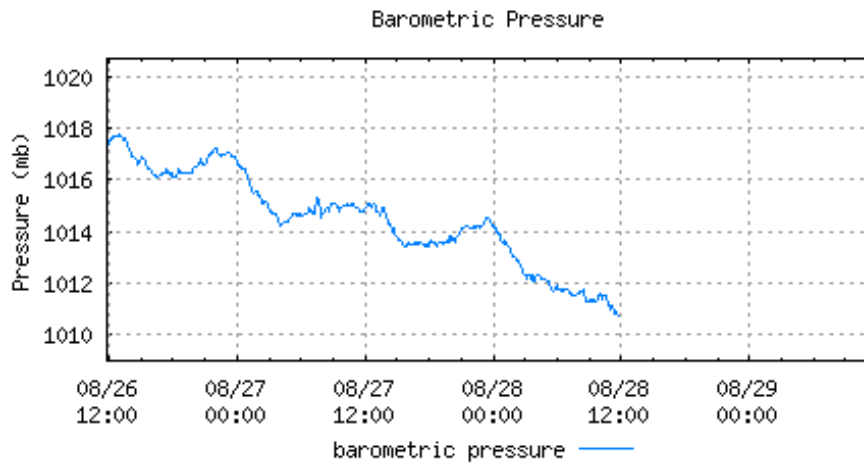
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 08/28/2017 11:42 (EDT)

Wind Speed: 19 knots Gusts: 26 knots Direction: 35° T

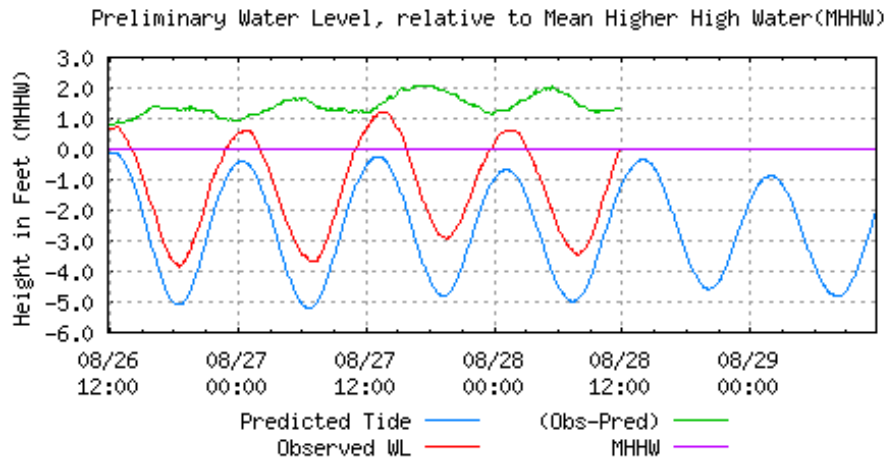
NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1010.7 mb

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



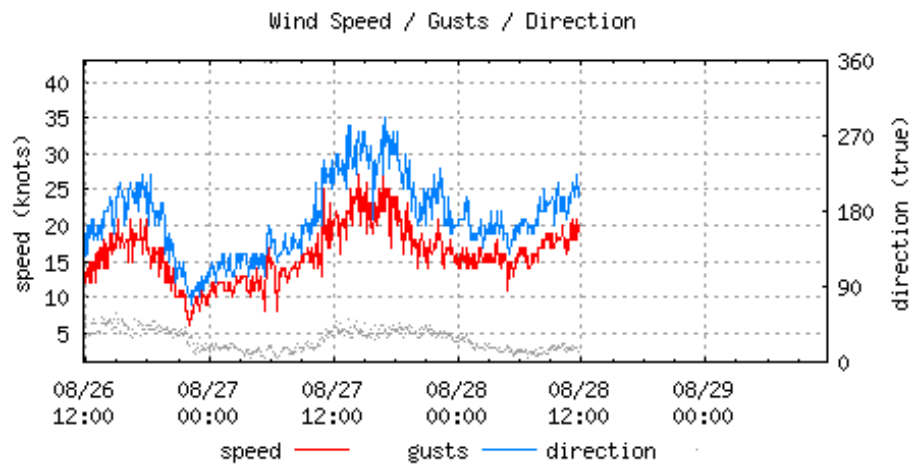
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: -0.07 ft. Predicted: -1.38 ft. Residual: 1.31 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 08/28/2017 13:55 (EDT), -0.35 ft.

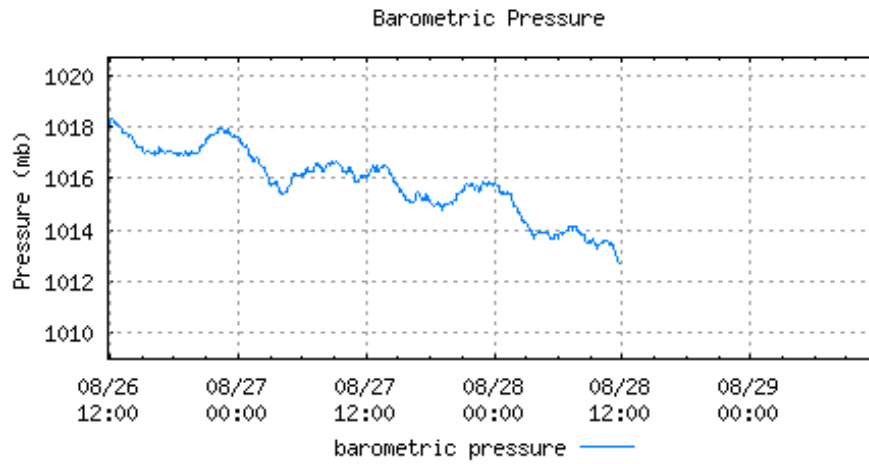
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Wind Speed: 20 knots Gusts: 24 knots Direction: 13° T

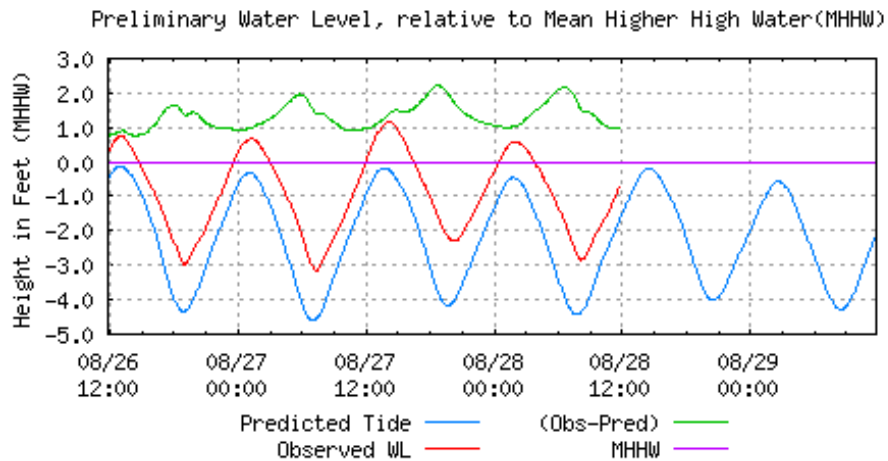
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1012.7 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC



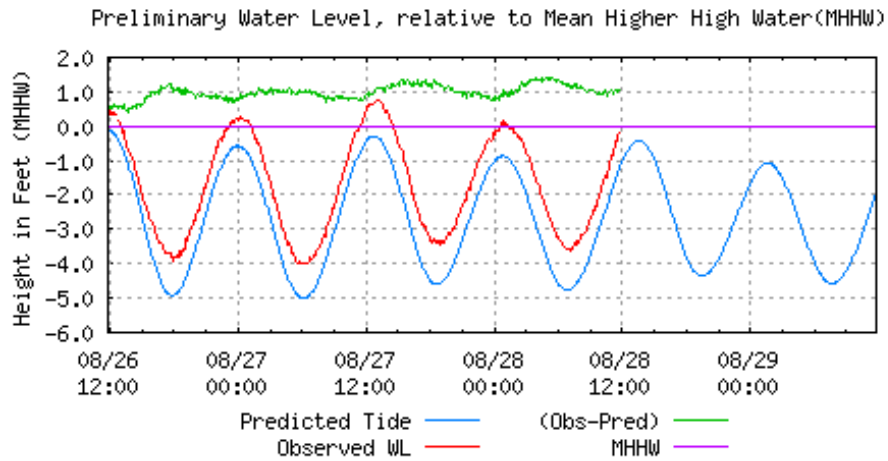
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: -0.74 ft. Predicted: -1.73 ft. Residual: 0.99 ft.

Historical Maximum Water Level: Oct 8 2016, 4.64 ft.

Next High Tide: 08/28/2017 14:30 (EDT), -0.20 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



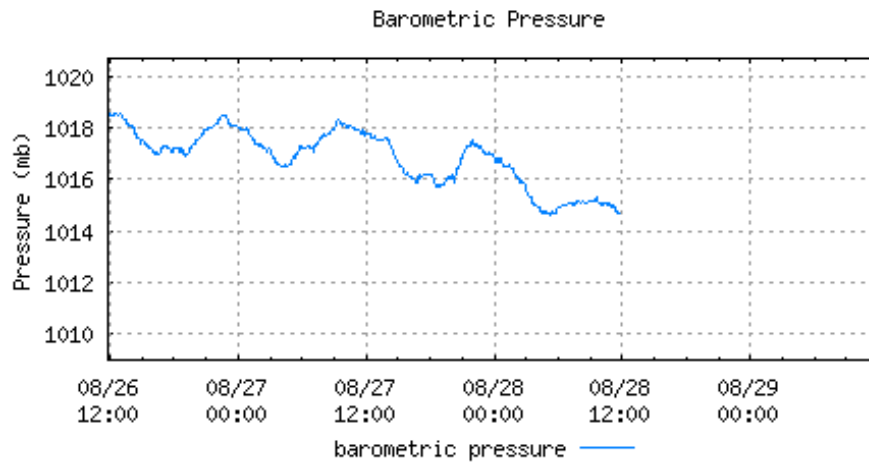
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: -0.19 ft. Predicted: -1.26 ft. Residual: 1.07 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 08/28/2017 13:33 (EDT), -0.41 ft.

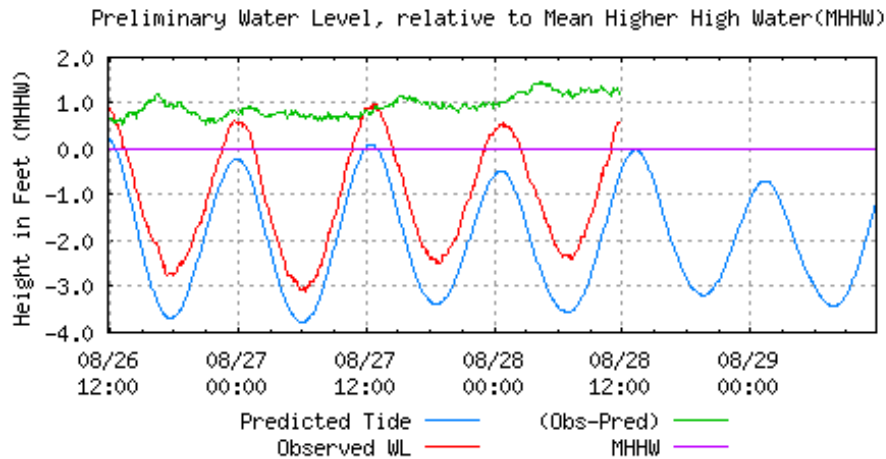
NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1014.7 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



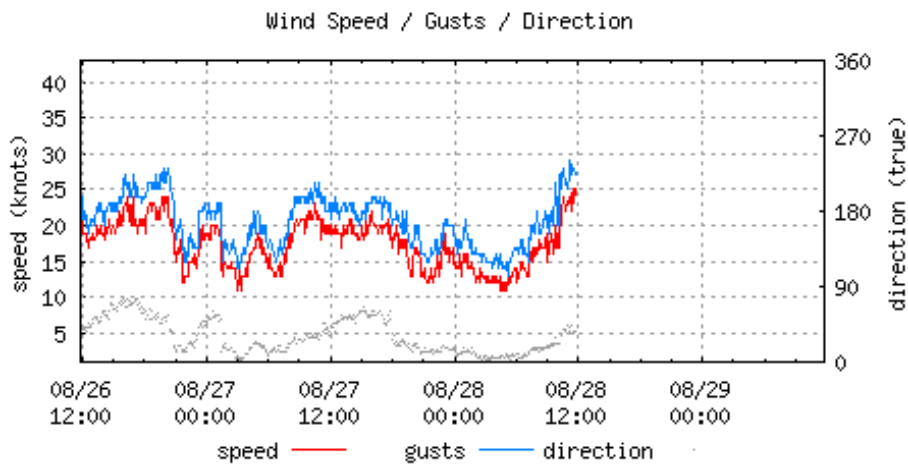
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: 0.59 ft. Predicted: -0.62 ft. Residual: 1.21 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 08/28/2017 13:14 (EDT), -0.02 ft.

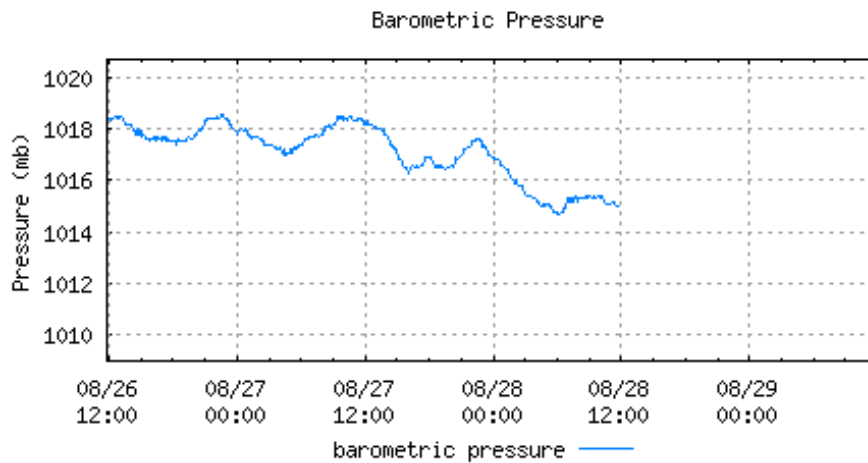
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Wind Speed: 25 knots Gusts: 27 knots Direction: 37° T

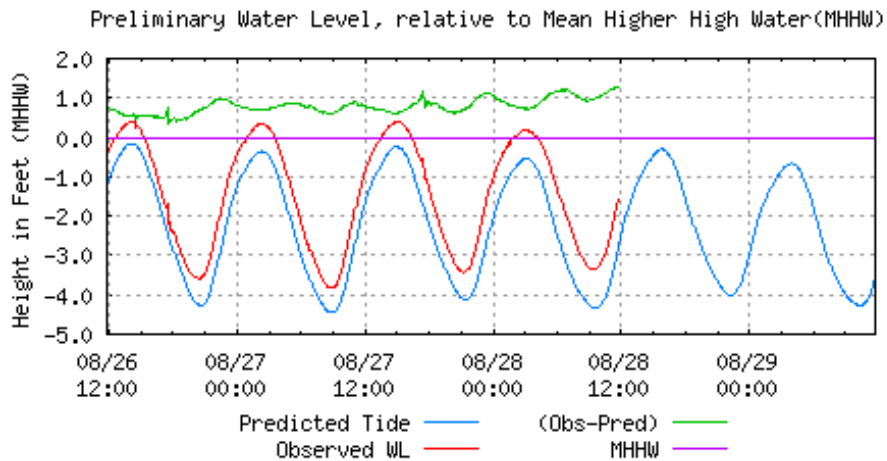
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1015.0 mb

NOAA/NOS/CO-OPS 8658120 Wilmington, NC



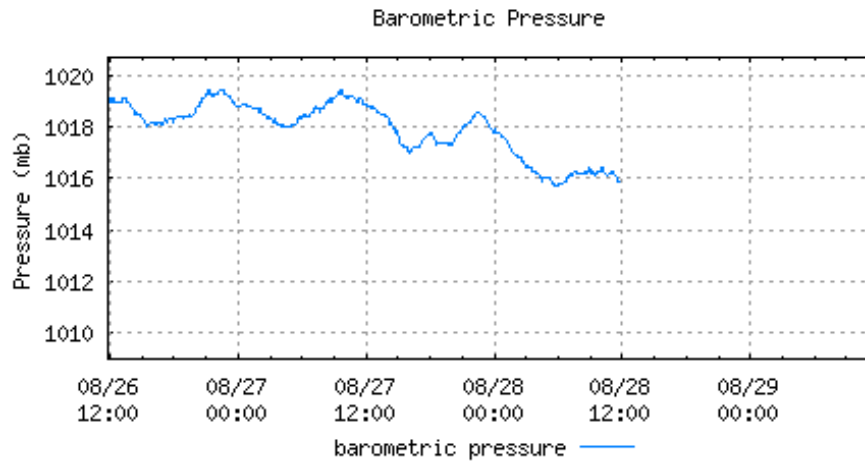
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: -1.58 ft. Predicted: -2.85 ft. Residual: 1.27 ft.

Historical Maximum Water Level: Oct 8 2016, 3.48 ft.

Next High Tide: 08/28/2017 15:47 (EDT), -0.30 ft.

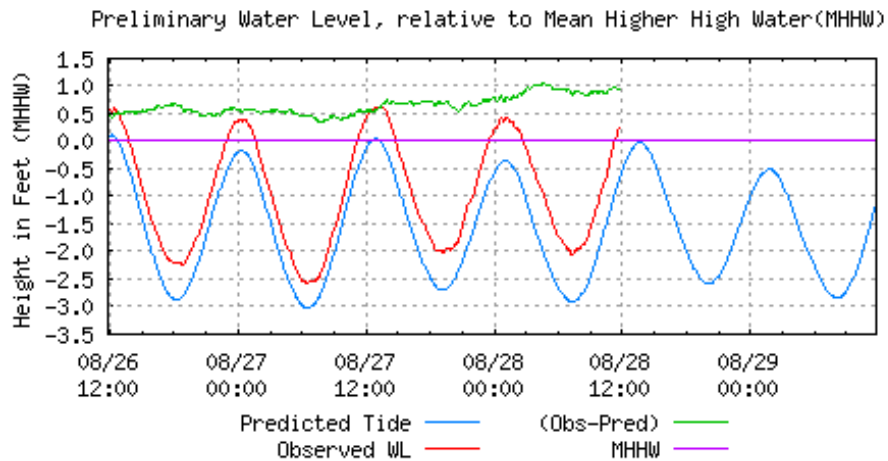
NOAA/NOS/CO-OPS 8658120 Wilmington, NC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1015.9 mb

NOAA/NOS/CO-OPS 8656483 Beaufort, NC



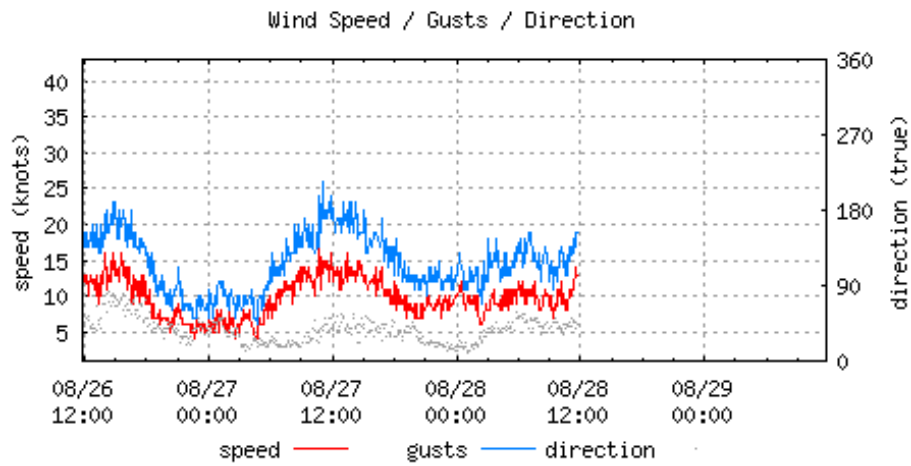
Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

Observed: 0.22 ft. Predicted: -0.71 ft. Residual: 0.93 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 08/28/2017 13:39 (EDT), -0.03 ft.

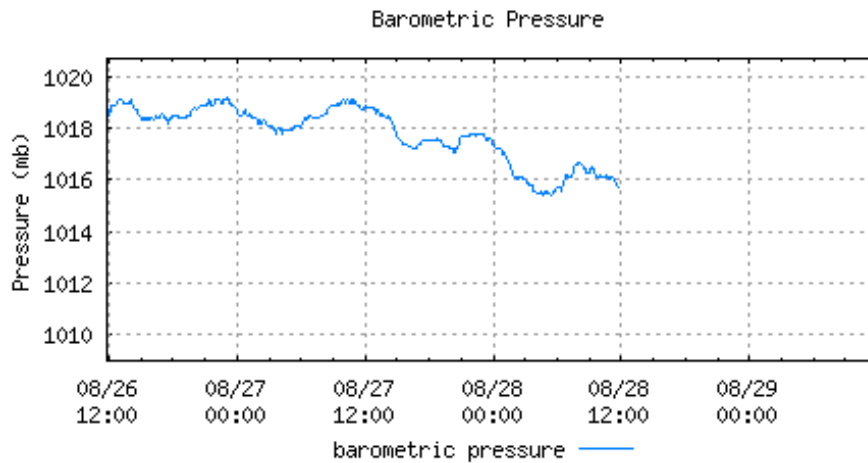
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Wind Speed: 13 knots Gusts: 19 knots Direction: 44° T

NOAA/NOS/CO-OPS 8656483 Beaufort, NC

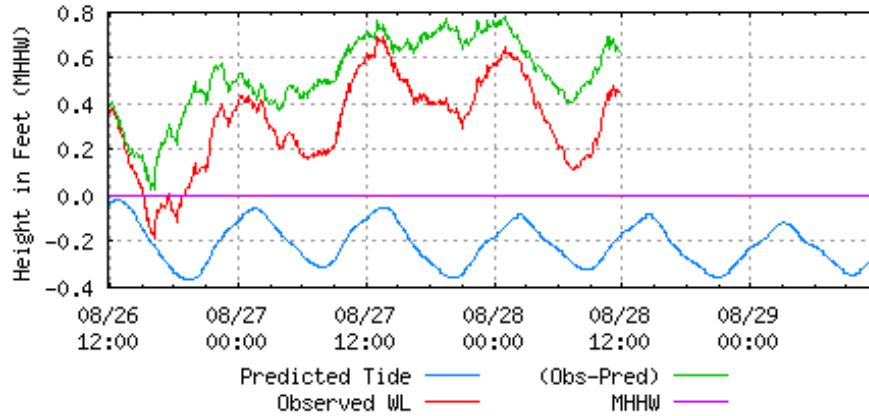


Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1015.7 mb

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/28/2017 11:42 (EDT). Data relative to MHHW

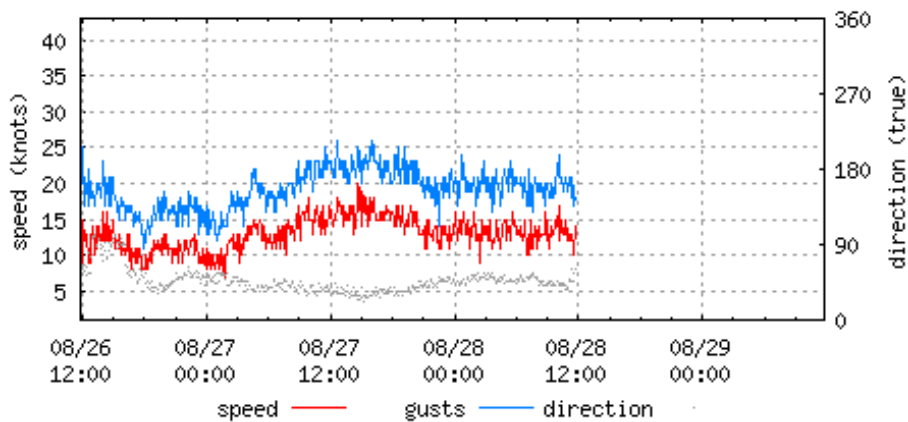
Observed: 0.46 ft. Predicted: -0.17 ft. Residual: 0.63 ft.

Historical Maximum Water Level: Oct 9 2016, 5.71 ft.

Next High Tide: 08/28/2017 14:31 (EDT), -0.09 ft.

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC

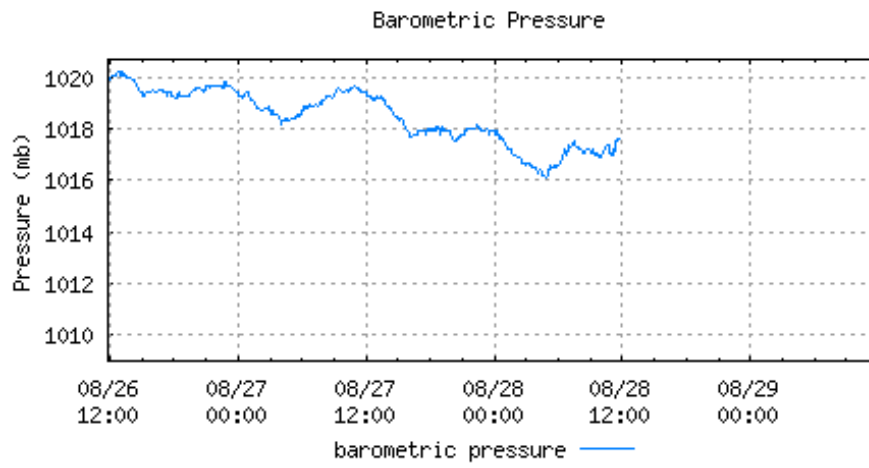
Wind Speed / Gusts / Direction



Last Observed Sample: 08/28/2017 11:42 (EDT)

Wind Speed: 14 knots Gusts: 18 knots Direction: 61° T

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



Last Observed Sample: 08/28/2017 11:42 (EDT)

Barometric Pressure: 1017.6 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8720030	Fernandina Beach, FL	08/28/2017 11:42 (EDT)	-1.61 ft	-2.66 ft	1.05 ft	0.97 ft
8670870	Fort Pulaski, GA	08/28/2017 11:42 (EDT)	-1.10 ft	-2.20 ft	1.10 ft	1.29 ft
8665530	Charleston, Cooper River Entrance, SC	08/28/2017 11:42 (EDT)	-0.07 ft	-1.38 ft	1.31 ft	1.22 ft
8662245	Oyster Landing (N Inlet Estuary), SC	08/28/2017 11:42 (EDT)	-0.74 ft	-1.73 ft	0.99 ft	1.18 ft
8661070	Springmaid Pier, SC	08/28/2017 11:42 (EDT)	-0.19 ft	-1.26 ft	1.07 ft	0.78 ft
8658163	Wrightsville Beach, NC	08/28/2017 11:42 (EDT)	0.59 ft	-0.62 ft	1.21 ft	0.98 ft
8658120	Wilmington, NC	08/28/2017 11:42 (EDT)	-1.58 ft	-2.85 ft	1.27 ft	0.38 ft
8656483	Beaufort, NC	08/28/2017 11:42 (EDT)	0.22 ft	-0.71 ft	0.93 ft	0.63 ft
8654467	USCG Station Hatteras, NC	08/28/2017 11:42 (EDT)	0.46 ft	-0.17 ft	0.63 ft	0.70 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce